

USPTO PATENT FULL-TEXT AND IMAGE DATABASE[Home](#)[Quick](#)[Advanced](#)[Pat Num](#)[Help](#)[Bottom](#)[View Cart](#)[Add to Cart](#)[Images](#)

(1 of 1)

United States Patent**5,858,697****Groner , et al.****January 12, 1999****Method for rapid diagnostic of urinary tract infections****Abstract**

Method for the rapid diagnostic of an infection of the urinary tract (UTI), by a specific examination of urine. The method of analyzing a urine specimen, for the rapid and simultaneous counting of both viable bacteria and leucocytes (white blood cells or WBC), consists of: (1) simultaneous labeling of said bacteria and said white blood cells (WBC) present in said urine specimen, with a fluorescent *viability marker* of bacteria, said marker tagging and accumulating in both bacteria and white blood cells, under the same conditions and leading to different fluorescent elements; (2) automatically counting all the fluorescent elements by photoelectric detection of the fluorescent marker; and (3) simultaneously classifying said fluorescent elements in fluorescent viable bacteria and in fluorescent white blood cells, in view to obtain in one part the total number of bacteria and on the other part, the total number of white blood cells, on the basis of their size.

Inventors: **Groner; Warren** (Great Neck, NY); **Drocourt; Jean-Louis** (Yerres, FR); **Foissac; Louis** (Neuilly Sur Seine, FR)

Assignee: **Cheminex** (Maisons-Alfort, FR)

Appl. No.: **667014**

Filed: **June 20, 1996**

Foreign Application Priority Data

Jun 22, 1995[EP]

95401483

Current U.S. Class: **435/34; 435/4; 435/7.24; 435/7.32; 435/19; 435/29; 435/968; 435/973; 549/223**

Intern'l Class: **C12Q 001/04; C12Q 001/02; C12Q 001/00; G01N 033/53**

Field of Search: **435/34,19,29,4,968,973,7.24,7.32 549/223**

References Cited [Referenced By]